

MAIL STOP PCT

Docket No. 265070US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Mubarik M. CHOWDHRY, et al.

SERIAL NO: 10/524,216

GAU:

FILED: February 10, 2005

EXAMINER:

FOR: PREPARATION OF AQUEOUS POLYMER DISPERSIONS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

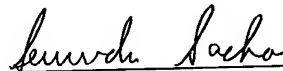
CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Norman F. Oblon

Registration No. 24,618

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Mubarik M. CHOWDHRY, et al.

SERIAL NO: 10/524,216

GAU:

FILED: February 10, 2005

EXAMINER:

FOR: PREPARATION OF AQUEOUS POLYMER DISPERSIONS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☒ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

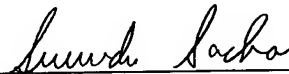
- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon

Registration No. 24,618

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 05/03)

Surinder Sachar

Registration No. 34,423

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

265070US0PCT

SERIAL NO.

10/524,216

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Mubarik M. CHOWDHRY, et al.

FILING DATE

February 10, 2005

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5 574 091	11/12/96	WALTHER et al.			
	AB	3 635 937	01/18/72	BAUER et al.			
	AC	3 637 636	01/25/72	BAUER et al.			
	AD	3 661 803	05/09/72	BAUER et al.			
	AE	3 686 159	08/22/72	BAUER et al.			
	AF	4 698 403	10/06/87	KLABUNDE			
	AG	4 716 205	12/29/87	KLABUNDE			
	AH	5 108 654	04/28/92	RAGAINI			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AI	98/42664	10/01/98	WO		NO
	AJ	01/44325	06/21/01	WO (with English abstract)		NO
	AK	00/56785	09/28/00	WO		NO
	AL	1 322 717	11/21/01	CN (English abstract only)		NO
	AM	0 046 331	02/24/82	EP		NO
	AN	0 046 328	02/24/82	EP		NO
	AO	97/17380	05/15/97	WO		NO
	AP	98/42665	10/01/98	WO		NO
	AQ	0 052 929	06/02/82	EP		NO
	AR	98/30609	07/16/98	WO		NO
	AS	2 250 930	06/24/92	GB		NO
	AT	197 56 874	06/24/99	DE (equivalent of US 6515030)		NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AU	MECKING, Stefan et al. "Emulsion- and Suspension-Type Aqueous Coordination Polymerization Affording Ethylene Homo- and Copolymers", Polymeric Materials: Science & Engineering, vol. 84, pages 1049-1050, XP008025447 2001	
	AV	BAUERS, Florian M. et al. "High Molecular Mass Polyethylene Aqueous Latexes by Catalytic Polymerization", Angew. Chem. Int. Ed., vol. 40, no. 16, pages 3020-3022, XP008025448 2001	
	AW	RODRIGUEZ, Ferdinand. "Carbon Chain Polymers", Principles of Polymer Systems, 2 nd edition, pages vii-xi, 381-429 1982	
	AX	BRINTZINGER, Hans H. et al. "Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts", Angew. Chem. Int. Ed. Engl., vol. 34, pages 1143-1170 1995	
	AY	WANG, Lin et al. "Coordination Polymerization of Ethylene by Single-Component Rhodium Catalysts in Protic Solvents", J. Am. Chem. Soc., vol. 115, pages 6999-7000 1993	
	AZ	KEIM, Wilhelm et al. "Novel Coordination of (Benzoylmethylene)triphenylphosphorane in a Nickel Oligomerization Catalyst", Angew. Chem. Int. Ed. Engl., vol. 17, no. 6, pages 466-467 1978	<input checked="" type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

265070US0PCT

SERIAL NO.

10/524,216

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Mubarik M. CHOWDHRY, et al.

FILING DATE

February 10, 2005

GROUP

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AAA	JOHNSON, Lynda K. et al. "New Pd(II)- and Ni(II)-Based Catalysts for Polymerization of Ethylene and alpha-Olefins", J. Am. Chem. Soc., vol. 117, pages 6414-6415 1995
AAB	KILLIAN, Christopher M. et al. "Living Polymerization of alpha-Olefins Using Ni(II)-alpha-Diimine Catalysts. Synthesis of New Block Polymers Based on alpha-Olefins", J. Am. Chem. Soc., vol. 118, pages 11664-11665 1996
AAC	NELSON, L.T.J. et al. "Polymerization and 1D and 2D NMR Analysis of Alpha-Olefins from Late Transition Metal Catalysts", Polymer Preprints, vol. 38, pages 133-134 1997
AAD	WANG, Chunming et al. "Neutral Nickel(II)-Based Catalysts for Ethylene Polymerization", Organometallics, vol. 17, pages 3149-3151 1998
AAB	CRAMER, Richard. "4, Di-μ-Chlorotetrakis(Ethylene)Dirhodium(I), 2,4-Pentanedionatobis(Ethylene)Rhodium(I), and Di-μ-Chlorotetracarbonyldirhodium(I)", Inorganic Syntheses, vol. 15, pages 14-18 1974
AAF	"Peripolymerisation mit Hilfe von Dispergatoren", Methoden der organischen Chemie, vol. XIV/1, pages 411-420 1961
AAG	"Anionaktive Emulgatoren", Methoden der organischen Chemie, vol. XIV/1, pages 192-208 1961
AAH	TANG, P.L. et al. "Miniemulsion Polymerization- A Comparative Study of Preparative Variables", Journal of Applied Polymer Science, vol. 43, pages 1059-1066 1991
AAI	WIESE, Harm. "Eigenschaften von Polymerdispersionen und Messmethoden", Waessrige Polymerdispersionen, chapter 4, 1 st edition, pages 31-66 1999
AAJ	KANIG, Von Gerhard. "Zur Theorie der Glasstemperatur von Polymerhomologen, Copolymeren und weichgemachten Polymeren", Kolloid-Zeitschrift & Zeitschrift fuer Polymere, vol. 190, pages 1-16 1963
AAK	FOX, T.G. "J5. Influence of Diluent and of Copolymer Composition on the Glass Temperature of a Polymer System", Bull. Am. Phys. Soc., page 123 1956
AAL	"Polyacryl- und Polymethacryl-Verbindungen", Ullmann's Encyclopaedie der technischen Chemie, vol. 19, pages 18-19, 4 th edition 1980
AAM	
AAN	
AAO	
AAF	
AAQ	

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No.: 10/524,216
Docket No.: 265070US0PCT

STATEMENT OF RELEVANCY

- 1) References AI-AL, AU, AV have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.
- 2) References _____ have been cited in the corresponding _____ Search Report. A copy of these references is being submitted herewith.
- 3) References AA-AH, AM-AT, AW-AAL are discussed in the specification. A copy of these references is being submitted here with.
- 4) References _____ are additional prior art known to Applicant. A copy of these references is being submitted herewith.

LIST OF RELATED CASES

<u>Docket Number</u>	<u>Serial or Patent Number</u>	<u>Filing or Issue Date</u>	<u>Patent Appl. Publication No.</u>	<u>Inventor/ Applicant</u>
265070US0*	10/524,216	02/10/05		CHOWDHRY, et al.
223323US0PCT	10/168,113	06/17/02		KRISTEN, et al.

*Present Application; listed for information
NFO/hah